Fargo-Moorhead Metropolitan Flood Risk Management Project

Diversion Authority January 10, 2013







US Army Corps of Engineers **BUILDING STRONG**®











Presentation Outline

- ✓ Monthly Update
- Oxbow Area Public Meetings
- ✓ NEPA Path Forward
- ✓ Nonstructural Update



Fargo-Moorhead - 2009









Monthly Update

- Continuing National Environmental Policy Act (NEPA) process to address project modifications
- ✓ Reach 1: 90% Plans and Specs for ATR/Sponsor review on 18 January
- Drayton Dam Mitigation: Preparing FTR submittal for ATR/Sponsor review on January 29.
- ✓ Preparing for Maple River Aqueduct Value Based Design Charrette









Oxbow Area Ring Levee Concept Meetings

- Public meeting held on Tuesday night
 - ✓ 200+ people attended
 - √ 3 TV stations
 - √ 1 Radio station
 - √ 1 Daily newspaper
- Landowner Meetings held
 - √ 8-10 January
 - Over 50 individual meetings held







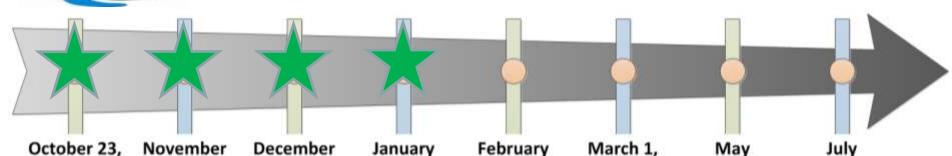




National Environmental Policy Act (NEPA) - Path Forward

- Supplemental Environmental Assessment (EA)
- November 2012: Corps begins National Environmental Policy Act (NEPA) process
- ✓ 14 February 2013: Decision on whether to include Oxbow/Bakke/Hickson ring levee in pending EA
- ✓ May 2013: Public Meeting and comment period
- ✓ July 2013: NEPA process complete and decision is finalized





Diversion
Authority (DA)
requests USACE
to begin analysis
of the Oxbow
area levees
option

2012

 Current Environmental Asssessment (EA) data provided to USACE

2012

- USACE reports on which Oxbow mitigation conditions the USACE will approve/support
- City of Oxbow submits conditions not approved by the USACE to the DA for consideration

Community leadership and DA provide feedback to USACE on whether to include levees option in the EA

2013

 NEPA public comment period begins (30 days)

2013

- Final community input on levee option
- Final DA input on levee option

Tentative NEPA review completion and presentation of findings

2013

DA Board votes to support VE13A or VE13C

2012

- USACE announces decision on Western Alignment
- USACE establishes Project Delivery Team (PDT) to analyze Oxbow area ring levee option
- City of Oxbow submits mitigation conditions to USACE

 DA decides which non-USACE supported Oxbow mitigation conditions the DA will support

2013

- USACE completes preliminary alignment/concept for Oxbow area levees
- PDT findings presented to Oxbow area community leaders
- Determination on inclusion of the Oxbow area ring levee option in the current NEPA review

2013

 NEPA documentation completed / formal USACE review begins









Red River of the North Rural Nonstructural Flood Risk Management Feasibility Study

- Investigating nonstructural flood risk management measures for rural homes and farmsteads along main stem of Red River of the North
- ✓ Interim product of the Red River Basin-wide Watershed Study
- Nonstructural measures considered
 - Elevation
 - ✓ Wet/Dry Floodproofing
 - ✓ Berms/Levees
 - ✓ Buyouts/Relocations/Acquisitions
- ✓ 3 levels of detail and analysis









Red River of the North Rural Nonstructural Flood Risk

Management Feasibility Study

- Expanding analysis completed for FMM nonstructural assessment
 - ✓ Reach 1 Outlet of Lake Traverse to southern portion of FMM
 - Reach 2 Outlet of diversion channel to Thompson, ND (assessment completed as part of FMM study)
 - Reach 3 Thompson, ND to US-Canadian border
- Completed Alternatives Milestone
- Working on Environmental Assessment (EA) and Implementation Plan











Red River of the North Rural Nonstructural Flood Risk Management Feasibility Study

- ✓ Reach 1
 - √ ~ 303 structures in 100-year floodplain
 - √ ~ 89 structures justified
- ✓ Reach 2
 - 1,145 structures in 500-year floodplain + 1 mile
 - √ 331 structures justified
- √ Reach 3 Sample
 - √ 184 structures in 500-year floodplain + 1 mile
 - √ 131 structures justified











Red River of the North Rural Nonstructural Flood Risk Management Feasibility Study

Schedule

- √ 17 January: In-Progress Review
- ✓ February 2013: Tentatively Selected Plan Milestone
- Spring 2013: Public review and Comment Period



✓ Fall 2013: Report Completed

Study Sponsors:

Minnesota Red River Watershed Management Board North Dakota Red River Joint Water Resources District

Cost Share: 35% non-federal sponsor/65% federal